



# DECUS

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DECUS NO.

8-179

TITLE

EAE MODIFICATIONS FOR BINARY DISASSEMBLER  
WITH SYMBOLS

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COMPANY

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DATE

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SOURCE LANGUAGE

PAL-D

### ATTENTION

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EAE MODIFICATIONS FOR BINARY DISASSEMBLER  
WITH SYMBOLS

DECUS Program Library Write-up

DECUS No. 8-179

The purpose of this patch is to allow the user to use the Disassembler with Symbols, (DECUS No. 5/8-18C), without EAE. The patch shortens the space for the cross-references table by approximately one page, and changes all EAE instructions to JMS's to routines which take their place. The patch also changes the octal type routine to make space for links on page zero.

A	2014
AB	2103
AC	2122
AQ	2040
COUNT	2123
LNK	2124
LS	0026
LSR	2031
MA	0030
MASK	2120
MQ	0024
MQA	2073
MQL	2000
MU	0027
MULT	2053
OCT	0023
OCTYP	2076
Q	2121
SH	0025
SHL	2003
TEM	2125
UP	2061
XREF	2126

/EAE MODIFICATIONS FOR BINARY DISASSEMBLER WITH SYMBOLS  
 \*20

ØØ2Ø	ØØØØ	Ø	
ØØ21	4423	JMS I OCT	
ØØ22	542Ø	JMP I 2Ø	
	/		
ØØ23	2Ø76	OCT,	OCTYP
ØØ24	2ØØØ	MQ,	MQL
ØØ25	2ØØ3	SH,	SHL
ØØ26	2Ø31	LS,	LSR
ØØ27	2Ø53	MU,	MULT
ØØ3Ø	2Ø73	MA,	MQA
	/		
	*126		
0126	4425		JMS I SH
	/		
	*515		
Ø515	771Ø		SPA CLA
	/		
	*4Ø6		
Ø4Ø6	4426		JMS I LS
	/		
	*121		
Ø121	4424		JMS I MQ
	/		
	*141		
Ø141	2125	XREF-1	
	/		
	*223		
Ø223	4425		JMS I SH
	/		
	*555		
Ø555	4424		JMS I MQ
	/		
	*565		
Ø565	4425		JMS I SH
	/		
	*575		
Ø575	2125	XREF-1	
	/		
	*615		
0615	4427		JMS I MU
	/		
	*617		
Ø617	443Ø		JMS I MA
	/		
	*1416		
1416	4425		JMS I SH
	/		

\*1445  
1445 4425 JMS I SH  
/ \*1535  
1535 2125 XREF-1  
/ \*2000  
2000 0000 MQL, Ø  
2001 3321 DCA Q  
2002 5600 JMP I MQL  
/  
/  
2003 0000 SHL, Ø  
2004 3322 DCA AC  
2005 7100 CLL  
2006 1603 TAD I SHL  
2007 2203 ISZ SHL  
2010 7001 IAC  
2011 7041 CIA  
2012 3323 DCA COUNT  
2013 1322 TAD AC  
2014 3322 A,DCA AC  
2015 7100 CLL  
2016 1321 TAD Q  
2017 7004 RAL  
2020 3321 DCA Q  
2021 7004 RAL  
2022 3324 DCA LNK  
2023 1322 TAD AC  
2024 7004 RAL  
2025 1324 TAD L NK  
2026 2323 ISZ COUNT  
2027 5214 JMP A  
2030 5603 JMP I SHL  
/  
2031 0000 LSR, Ø  
2032 3322 DCA AC  
2033 1631 TAD I LSR  
2034 2231 ISZ LSR  
2035 7001 IAC  
2036 7041 CIA  
2037 3323 DCA COUNT  
2040 7100 AQ,CLL  
2041 1322 TAD AC  
2042 7010 RAR

2043 3322 DCA AC  
2044 1321 TAD Q  
2045 701Ø RAR  
2046 3321 DCA Q  
2047 2323 ISZ COUNT  
205Ø 524Ø JMP AQ  
2051 1322 TAD AC  
2052 5631 JMP I LSR  
  
2053 ØØØØ MULT,Ø  
2054 3322 DCA AC  
2055 3325 DCA TEM  
2056 1653 TAD I MULT  
2057 7041 CIA  
2060 3323 DCA COUNT  
2061 1322 UP,TAD AC  
2062 743Ø SZL  
2063 2325 ISZ TEM  
2064 71ØØ CLL  
2065 2323 ISZ COUNT  
2066 5261 JMP UP  
2067 3321 DCA Q  
207Ø 1325 TAD TEM  
2071 2253 ISZ MULT  
2072 5653 JMP I MULT  
2073 ØØØØ MQA,Ø  
2074 1321 TAD Q  
2075 5673 JMP I MQA  
  
2076 ØØØØ OCTYP,Ø  
2077 70Ø4 RAL  
21ØØ 3322 DCA AC  
21Ø1 1Ø4Ø TAD 4Ø  
21Ø2 3Ø41 DCA 41  
21Ø3 1322 AB,TAD AC  
21Ø4 7ØØ4 RAL  
21Ø5 7ØØ6 RTL  
21Ø6 3322 DCA AC  
21Ø7 1322 TAD AC  
21ØØ Ø32Ø AND MASK  
2111 1Ø43 TAD 43  
2112 4437 JMS I 37  
2113 2Ø41 ISZ 41  
2114 53Ø3 JMP AB  
2115 1Ø35 TAD 35  
2116 4436 JMS I 36  
2117 5676 JMP I OCTYP  
2120 ØØØØ MASK,ØØØØ  
2121 ØØØØ Q,Ø  
2122 ØØØØ AC,Ø

2123 0000 COUNT,Ø  
2124 0000 LNK,Ø  
2125 0000 TEM,Ø  
2126 0000 XREF,Ø